







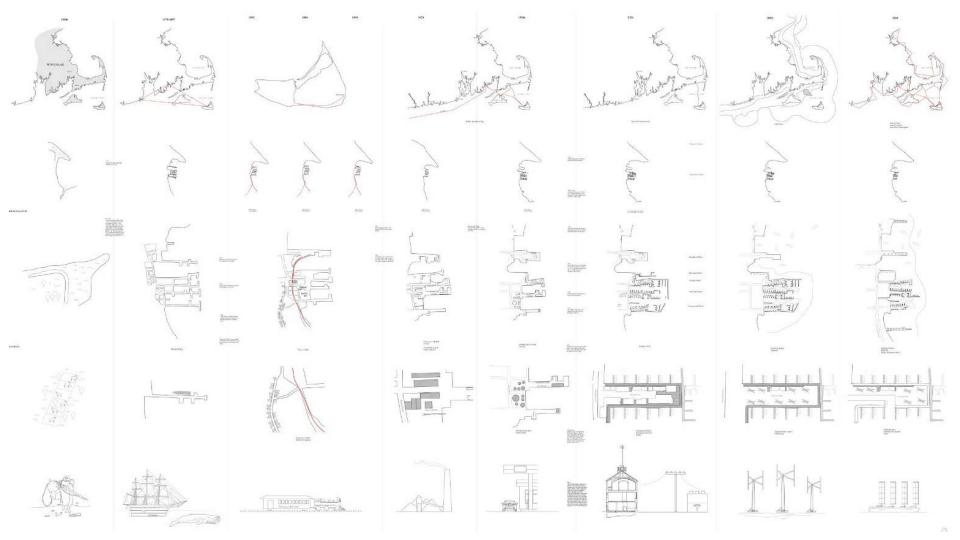
Instructor: Alan Plattus Andrei Harwell Students: Niema Jafari Yangwei Kevin Gao Xuefeng Du Yale University

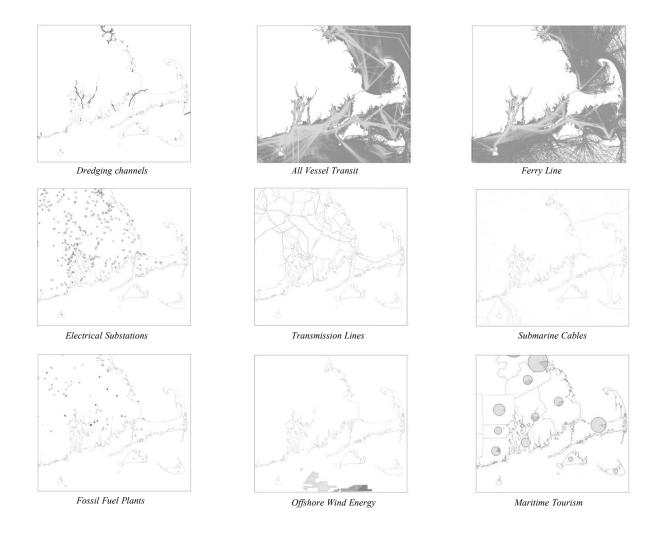


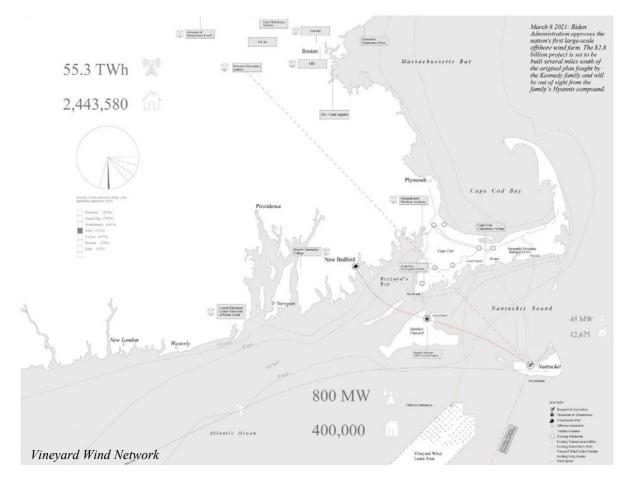




mid - late 19th century early 20th century mid 20th century - now





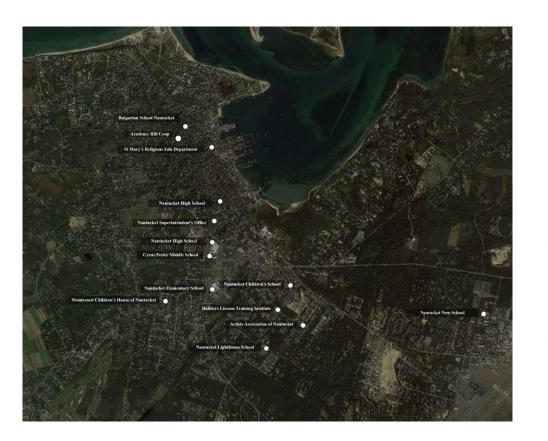


| | Nantucket | State of MA |
|--------------------------|-----------|-------------|
| Annual Growth Historical | 3.6% | 0.6% |
| (5 Year Average) | | |
| 5 Year Forecast | 3.2% | 1.1% |
| 15 Year Forecast | 2.2% | 0.8% |





Trends in renewable energy is already happening in New England and on Nantucket...



Nantucket public schools Students Tourists (Daily basis)

1,289

1,643 visitors

Teachers

117.5

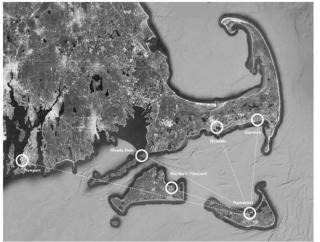
Student-teacher ratio 11.0 to 1



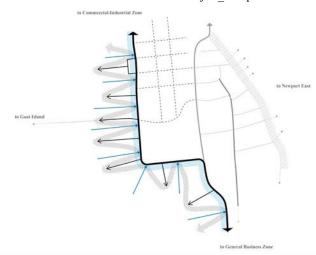
Programs

- 1 Training/Mentoring program
- 2 Education courses/tours Local Nantucket High Schools
- 2 Curriculum Development Offshore Wind 101
- 3 Education courses Naval Architecture design course 101
- 4 Testing center for Vessels and Energy source prototypes
- 5 Private Offices
- 6 Seminar rooms
- 7 Lecture rooms
- B Event/Exhibiton Space
- 9 Eco-tourism boat Terminal
- 10 Maritime Library

Potential New England Pilot Projects



Mainland Pilot Project_Newport





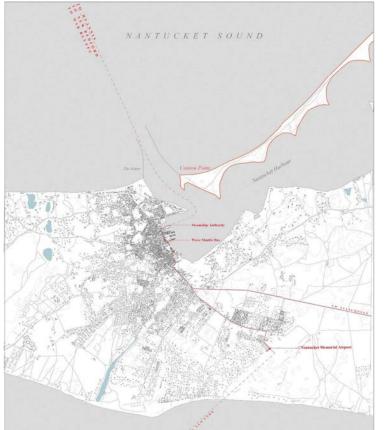


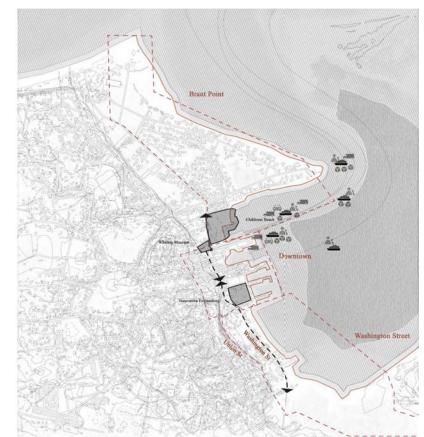


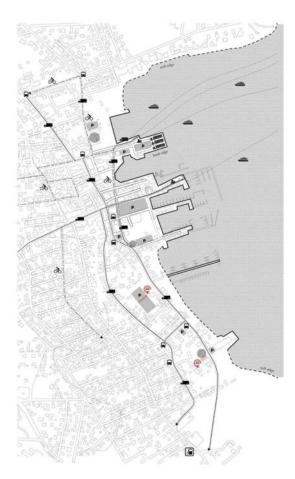
Goal of Clean Energy Future

New Working Waterfront Vision of Newport

Support from Local Educational Program







Existing Grey Infrastructure



Fossil Fuels







Traditional Transportation



Grey Infrastructure



Hard Edge



Previous Housing Type











Sustainable Mobility



Green Infrastructure

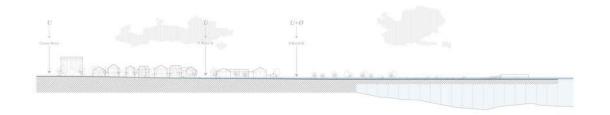


Soft Edge



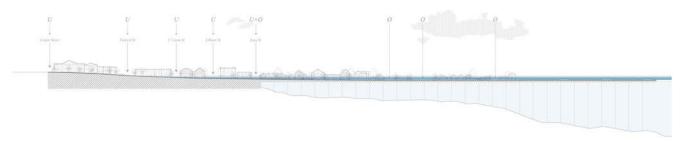
New Housing Type



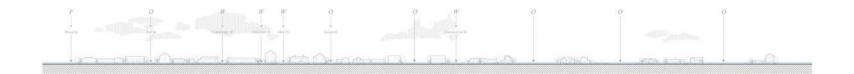




Broad State The Steamship Authority



Main Street The Street Whart





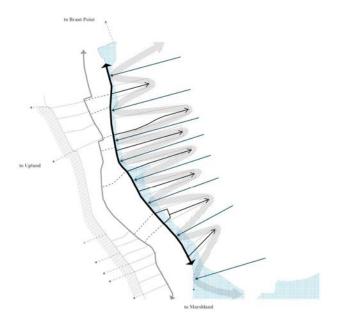


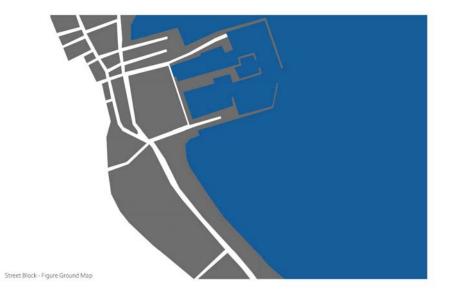


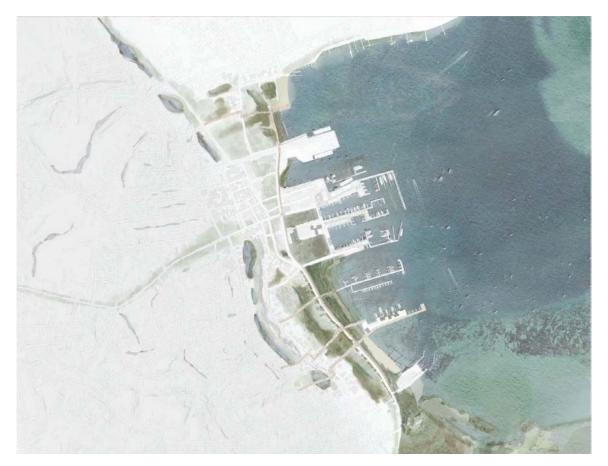
Short Mark



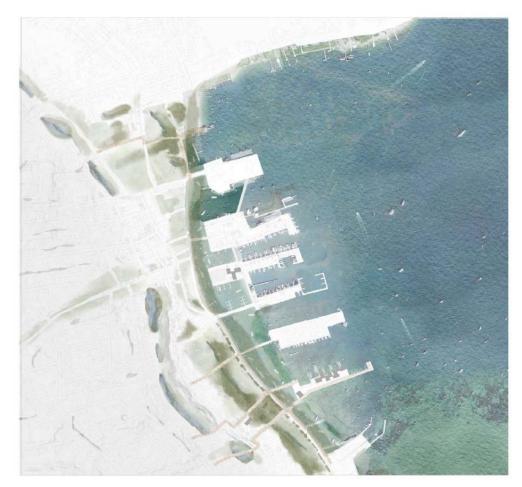




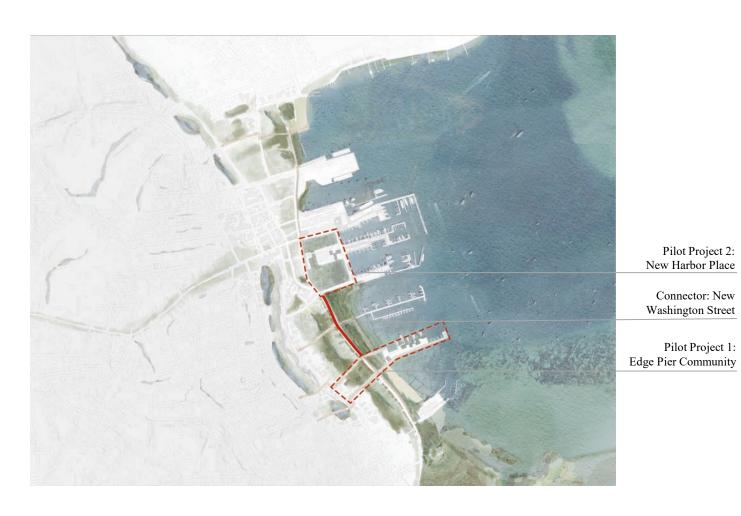


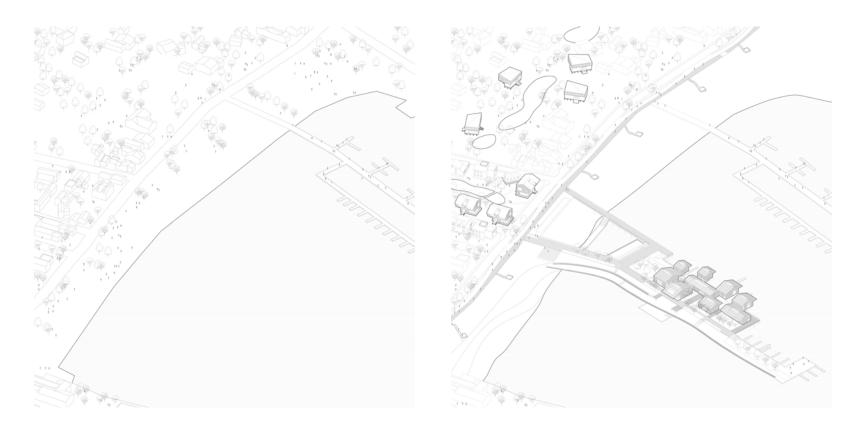


Vision_2030



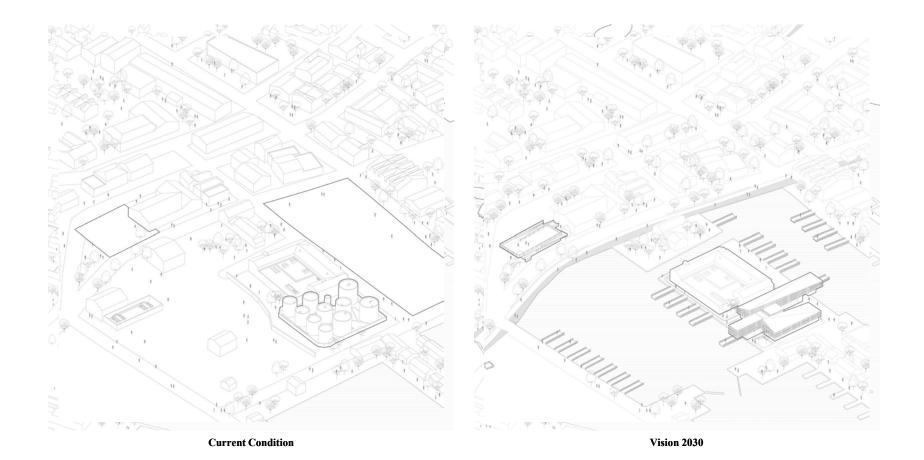
Vision_2100





Current Condition Vision 2030

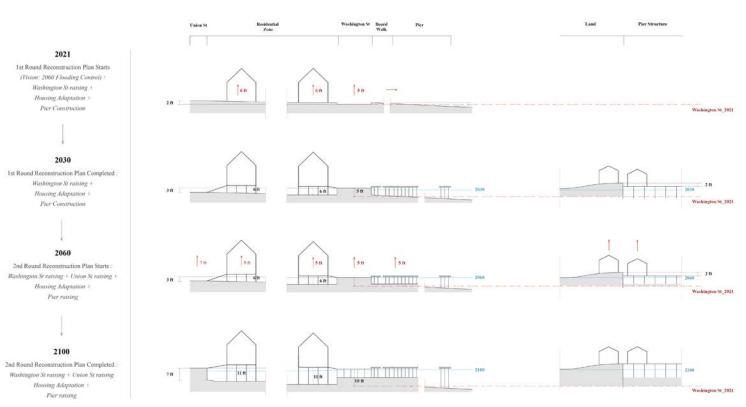
Edge Pier Intervention

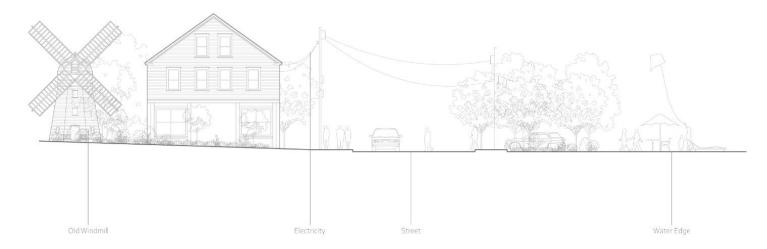


New Harbor Place Intervention

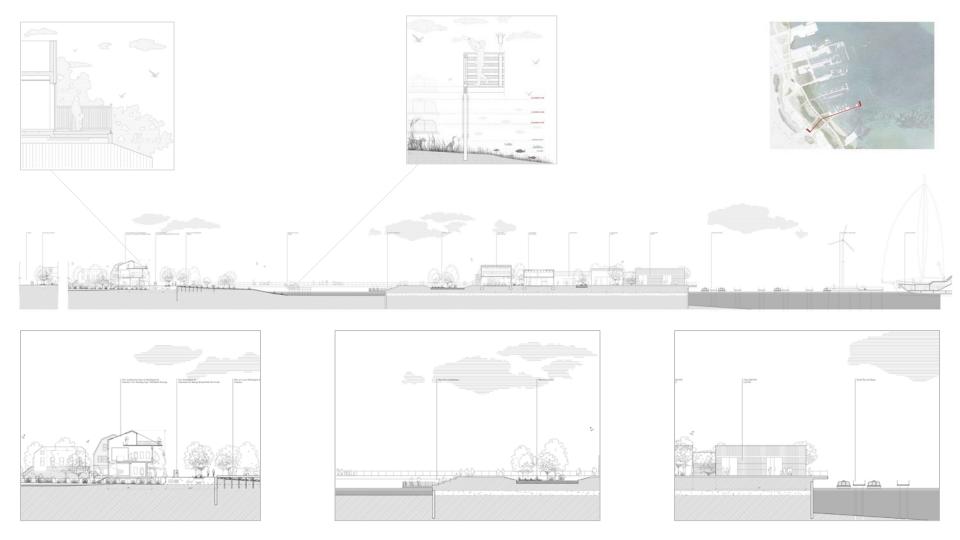




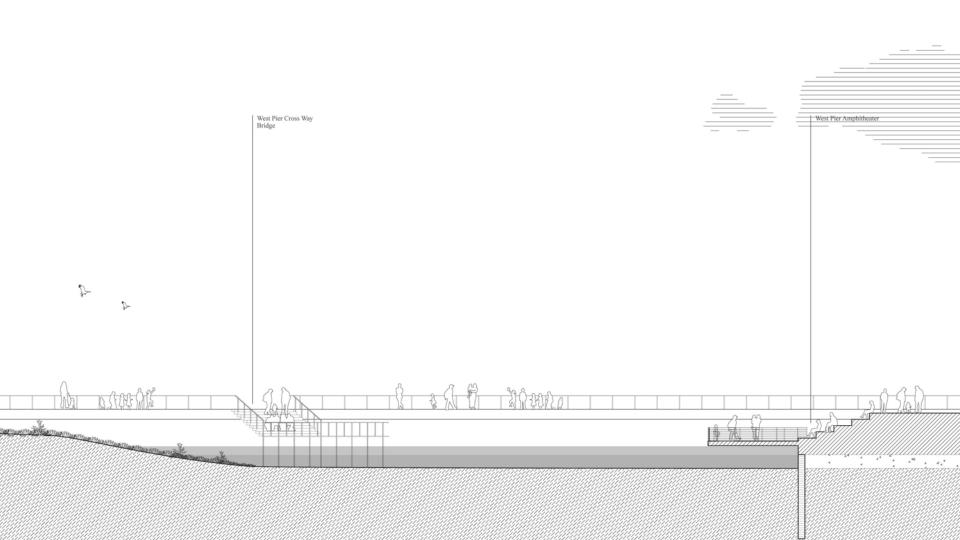


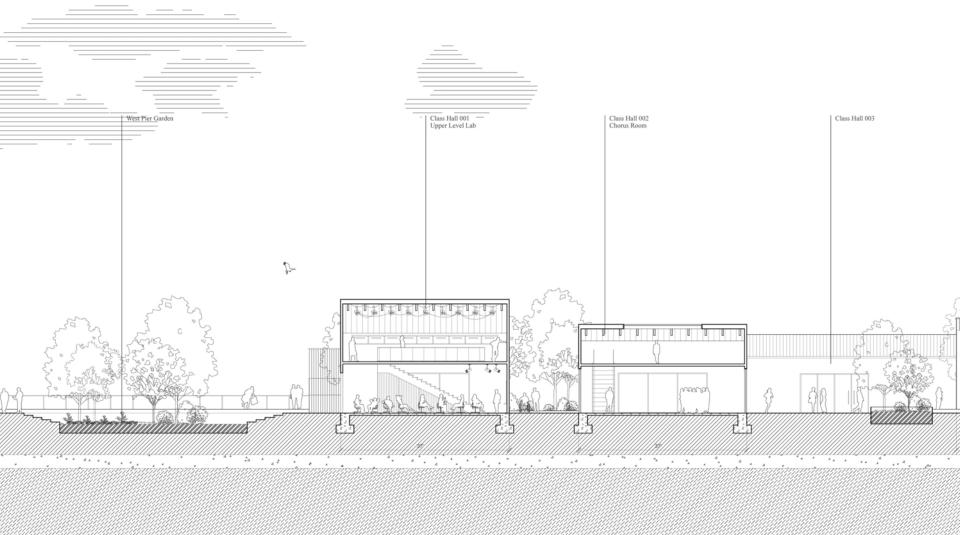


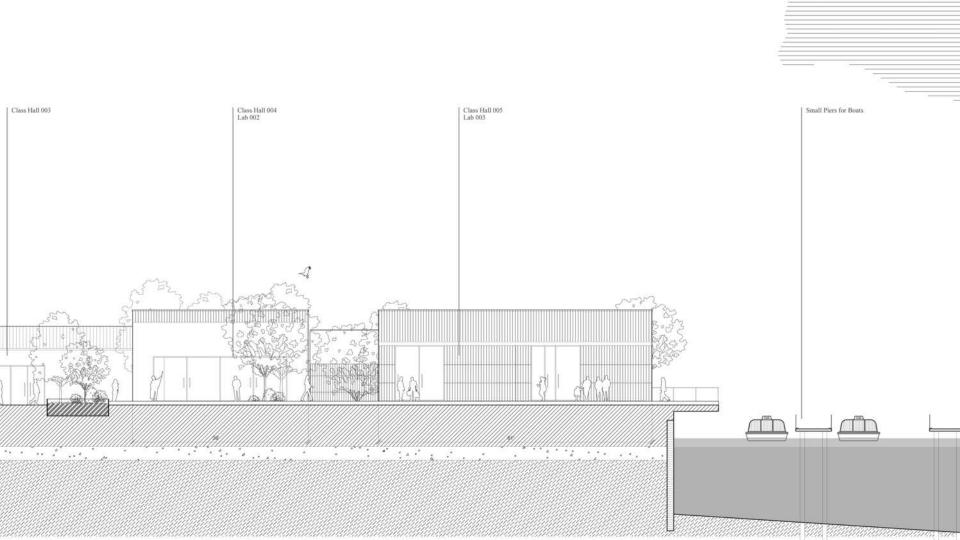
Washington Street 2020

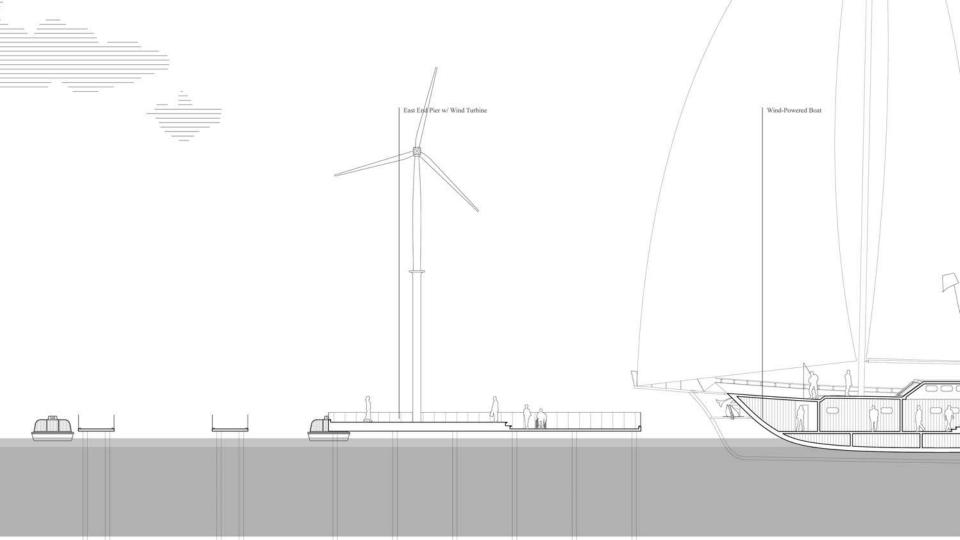














Current Washington St



New Washington St



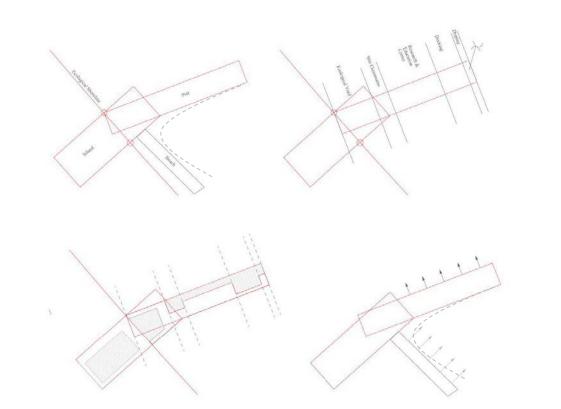
Current Neighborhood View

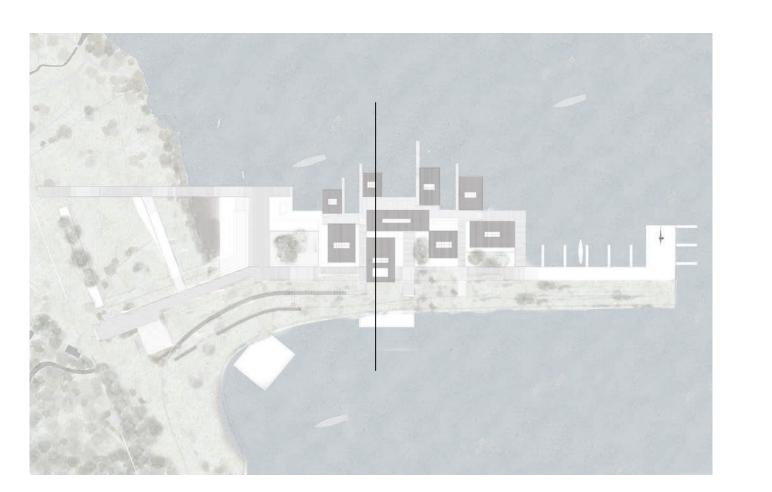


New Shared Street

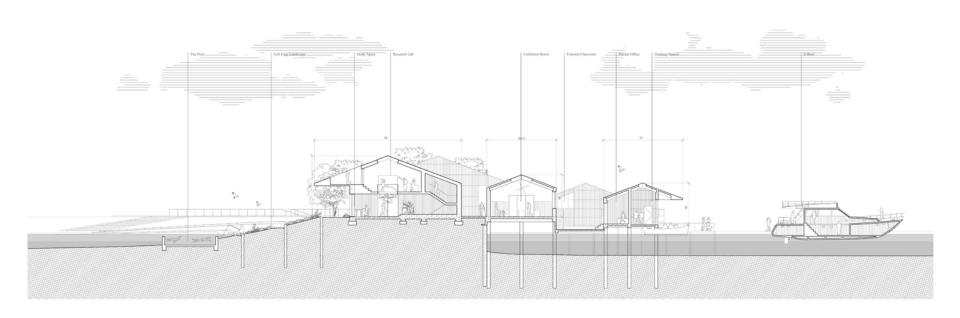


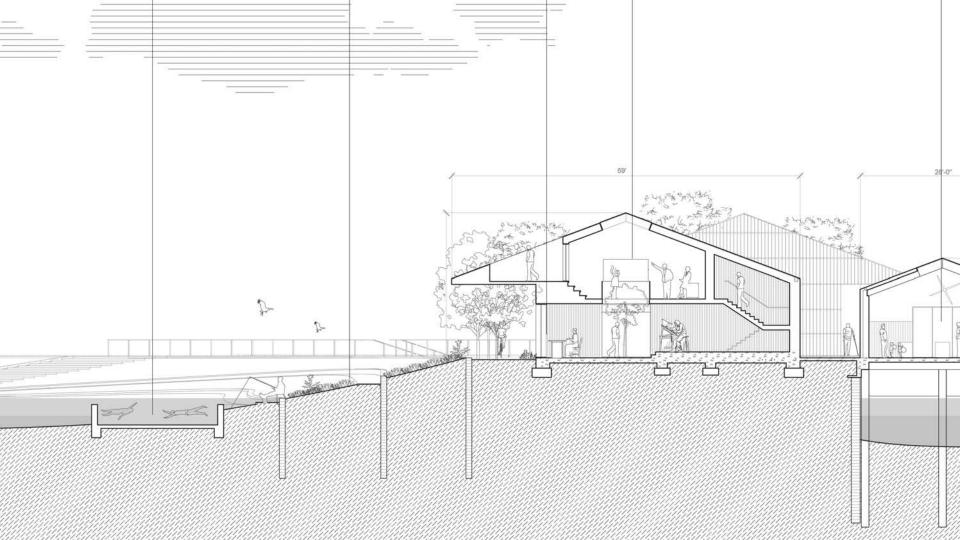
Small Wetland Community





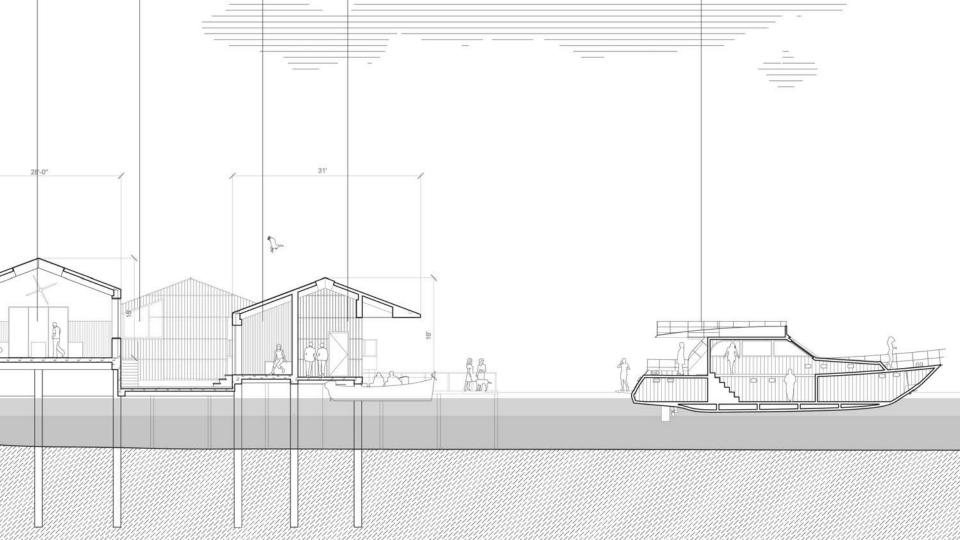








Southern Side of the Edge Pier





Northern Side of the Edge Pier





Current Harbor Place



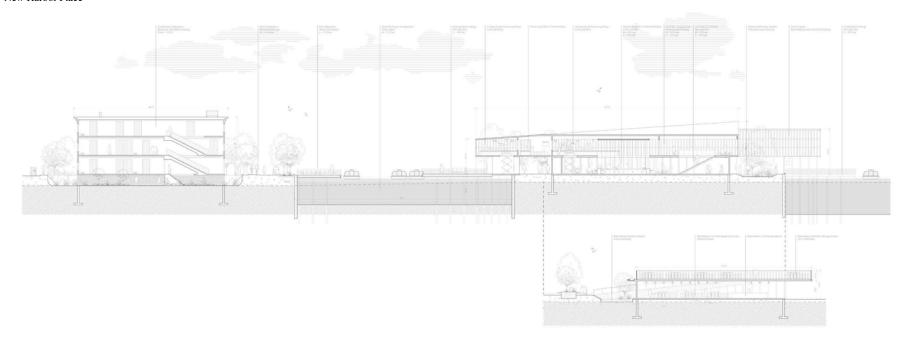
New Harbor Place

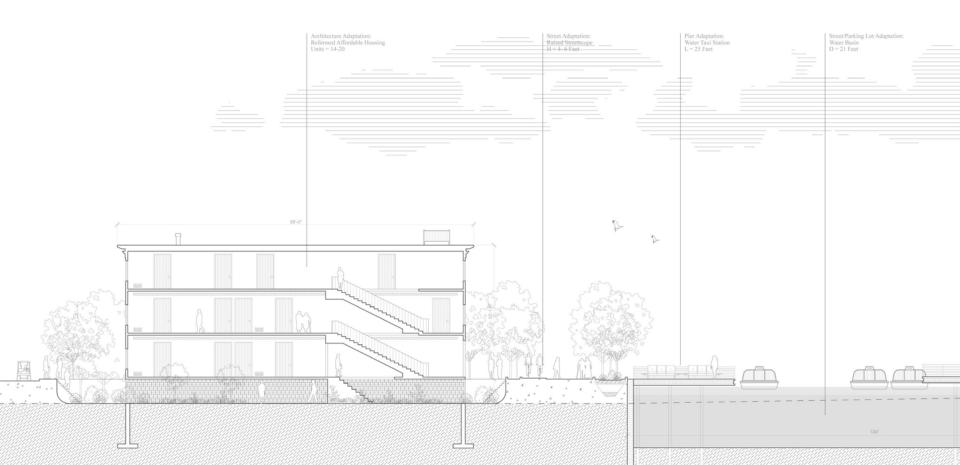
Existing Condition





New Harbor Place





| | Fishing Ship L Movable Pier L = 40 Feet | oading: | Fishing Goods Processing Shop: Cook and Store | Processing Office/ Control Room: | Fishing Goods Processing Shop: Cook and Store | Double Height Fish Market Kitchen: Cook and Self— H=20 Feet L=30 Feet | 2nd Floor Tasting Area: Dinning and Drinking H = 9.5 Feet L = 45 Feet | Ist Floor Fish Market: Buy and Sell H = 10 Feet L = 95 Feet | | South-End Sunken Garden: Plantation and Gathering | East Complex: Boat Making and Local Good Selling | Crafted Boat Testin Movable Pier L = 40 Feet |
|----|---|---------|--|----------------------------------|--|--|--|---|-----|--|---|--|
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